CIVIL TECH LABS
3, 1st Cross, Sunnava Corner, Mission Road, Bangalore - 560 027
Ph: 1890 - 111 12867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadhish (Varun Karthick Construction)
Date of Testing	31/01/2015
Specific Gravity	**2.55**

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.6**	90-100	90-100	90-100	95-100	
	2.36	**88.2**	60-95	75-100	85-100	95-100	
	1.18	**75.3**	30-70	55-90	75-100	90-100	
	0.6	**42.8**	15-34	35-59	60-79	80-100	
	0.3	**21.6**	5-20	8-30	12-40	15-50	
	0.15	**7.5**	0-10	0-10	0-10	0-15	

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

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CIVIL TECH LABS BANGALORE

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Ph: 080 - 41156267, Email: civiltechlabs@gmail.com

TEST REPORT

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Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadhish (Varun Karthick Construction)
Date of Testing	31/01/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	51	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	487	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

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CIVIL TECH LABS BANGALORE

Lab Incharge
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AEE

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TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadhish (Varun Karthick Construction)
Date of Testing	31/01/2015
Specific Gravity	2.62
Water Absorption in %	0.32

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	**100**	100	**Satisfies the requirement**
20	**98.8**	95-100	
10	**36.3**	25-55	
4.75	**8.1**	0-10	

Note:

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadhish (Varun Karthick Construction)
Date of Testing	31/01/2015
Specific Gravity	2.66
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	98.1	95-100	
20	56.2	30-70	
10	26.3	10-35	
4.75	3.9	0-5	

Note:

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Lab Incharge
Civil Tech Labs

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Ph: (080) - 41142867, E-mail: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadish (Varun Karthik Construction)
Date of Testing	31/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.617	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	420	415	Satisfactory
6	U T S (N/Sq.mm)	525	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
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Ph: 0824 - 4142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadhish (Varun Karthick Construction)
Date of Test	31/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.888	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.4	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
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CIVIL TECH LABS BANGALORE

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16 mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of the Agency	Sri. Jagadhish [Varun Karthick Construction]
Date of Testing	31/01/2015

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	430	415	Satisfactory
6	U T S (N/Sq.mm)	538	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

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CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore-64.

04th March 2015

Dear Sir,

Sub: Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AEE
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AEE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 3344 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of Agency	Sri. Jagadhish (Varun Karthick Construction)
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	02/02/2015	02/03/2015	28	8.15	470	**20.89**	**21.19**
2					8.17	475	**21.11**	
3					8.18	485	**21.56**	

Note:

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CIVIL TECH LABS BANGALORE

Lab Incharge
Civil Tech Labs

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore-64.

11th February 2015

Dear Sir,

Sub: Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Testing of cubes – Reg.

As requested the 7th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AEE
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AEE

CIVIL TECH LABS
#3, 1st Cross, Nagarajan Colony, Mysore Road, Bangalore - 560 026
Ph: (080) - 23142565, Email : civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division.
Name of Agency	Sri. Jagadhish (Varun Karthick Construction)
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	02/02/2015	09/02/2015	7	8.15	330	**14.67**	**14.89**
2					8.16	340	**15.11**	
3					8.17	335	**14.89**	

Note:

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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AEE

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5, 1st Cross, Srilakshmi County, Mission Road, Bangalore - 560027
Ph: 9900 - 111-4286, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division
Name of Agency	Sri. Jagadhish (Varun Karthick Construction)
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	04/02/2015	11/02/2015	7	8.19	485	**21.56**	**21.33**
2					8.17	475	**21.11**	
3					8.18	480	**21.33**	

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE2
AEK

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC Roads and drains main and cross roads venugopal swamy temple in ward no-02 of yelahanka sub division
Name of Agency	Sri. Jagadhish (Varun Karthick Construction)
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	04/02/2015	11/02/2015	7	8.19	485	**21.56**	**21.33**
2					8.17	475	**21.11**	
3					8.18	480	**21.33**	

Note:
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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE2
AEK

Name of the work: Construction of CC roads and drains main and cross roads of Venugopal swamy temple in ward No-02 of yelahanka Sub division.
B.R.No: 363 date 17-3-2015.

Estimated cost: 19.4 lakhs.

Bill Amount: 18.35 lakhs.

Date of inspection : N/A to/a

Observation and conclusion: The above said Work - Construction of CC Roads and drains Main and Cross Roads of Venugopal swamy temple in Ward No-02 yelahanka. has been shown by the concerned AE

The above said Work has been inspected along with the concerned AE

The Measurements are checked by me and it is found satisfactory

The Work done is satisfactory

G.M.MUNIYAPPA
B.E.(ELECT),B.L.
EXECUTIVE ENGINEER
PUBLIC WORKS DEPARTMENT

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore